

SOS, 247 | (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
28 August 2003 (28.08.2003)

PCT

(10) International Publication Number  
WO 03/071321 A1(51) International Patent Classification<sup>7</sup>: G02B 6/00, 6/42

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(21) International Application Number: PCT/IB03/00582

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(22) International Filing Date: 14 February 2003 (14.02.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
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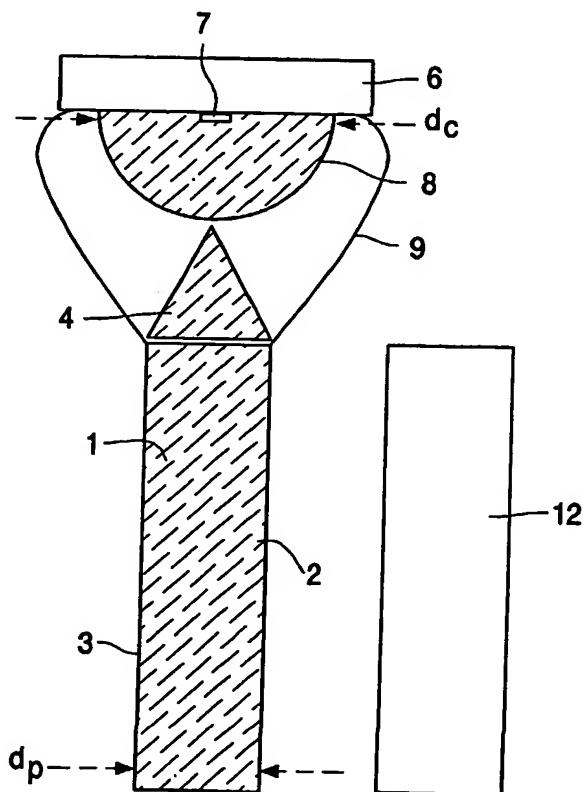
(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: COMPACT LIGHTING SYSTEM AND DISPLAY DEVICE



(57) Abstract: A compact backlight system for illuminating a display device (12) has a front wall (2) and a rear wall (3) situated opposite thereto. At least one light source (6) comprising a light-emitting diode (7) is provided with a translucent lens-shaped cover (8). The system has at least one light input structure (4) for coupling light from the light source (6) into the light-emitting panel (1). During operation, light originating from the light source (6) is incident on the light input structure (4) and distributes itself in the light-emitting panel (1). According to the invention the light input structure (4) is conically or frustoconically shaped towards the light source (6). The thickness  $d_p$  of the light-emitting panel (1) is smaller than the diameter  $d_c$  of the translucent lens-shaped cover (8) of the light source (6). Preferably, the light input structure (4) is of prismatic or pyramidal shape.